

AMENDMENTS TO THE SPECIFICATION

Please amend the title to read as follows:

Interframe image compression with noise reduction

Please replace paragraph 29 on page 9 with the following paragraph:

[0029] In one embodiment of the invention, the presence of “random noise” in each of the subtracted images is confirmed by applying a Normality Test to verify that suspected “random noise” generates a normal distribution. Suitable Normality Tests are well known in the art (e.g., NIST/SEMATECH e-Handbook of Statistical Methods, <http://www.itl.nist.gov/div898/handbook/>, 2003; Conover, W. J. 1980. Practical Nonparametric Statistics. 2nd ed. New York: John Wiley & Sons; D’Agostino, R. B. and Stephens, M. A., eds. 1986. Goodness-of-fit Techniques. New York: Dekker; Daniel, Wayne W. 1978. Applied Nonparametric Statistics. Boston: Houghton Mifflin hereby incorporated by reference in their entirety). A Normality Test verifies that pixel values are distributed within a preset tolerance of a normal distribution. Only the pixels that we are planning to set to zero by thresholding, excluding those pixels that already contain a value of zero, should be tested for normality. If suspected “random noise” is not within a normal distribution, it may contain non-random information. If a particular image fails a Normality Test, then a smaller threshold value must be selected or thresholding should not be performed because thresholding would have a high probability of removing significant information.